

New England Estuarine Research Society

FALL MEETING

26 - 28 OCTOBER 1978

MARINE BIOLOGICAL LABORATORY
WOODS HOLE, MASSACHUSETTS

P R O G R A M

THURSDAY 26 OCTOBER 1978

1600 - 2000 REGISTRATION: SWOPE HALL (MBL DORMITORY)

1800 EXECUTIVE COMMITTEE MEETING

1500 BEER BLAST: SWOPE HALL (MBL DORMITORY)

FRIDAY, 27 OCTOBER 1978

0800 - 1200 REGISTRATION: SWOPE HALL

PAPER SESSION: LILLIE AUDITORIUM
CHAIRMAN: GIB CHASE, ARMY CORPS OF ENGINEERS

0d30 Remobilization of dissolved sedimentary substances by winter storms. Jack Tramontano, Marine Sciences Institute, University of Connecticut.

0850 Surface deposit feeding by Clymenella torquata, a conveyor-belt species. Fred C. Dobbs, Marine Research Laboratory, University of Connecticut.

0910 Bioturbation in estuarine sediments: a chemical approach. Wm. Berry Lyons, Theodore C. Loder, and Henri E. Gaudette, Department of Earth Sciences, University of New Hampshire.

0930 An ecological model of anaerobic decomposition processes: validation. James P. Reed, The Ecosystems Center, MBL.

0950 Manganese recycling in controlled marine ecosystems. Carlton D. Hunt and Deborah L. Butler, MERL, Graduate School of Oceanography, University of Rhode Island.

- 1010 Coffee break
- 1030 Evaluation of the energy term "U" for a mud snail (Ilyanassa obsoleta) population. Steven Edwards, Marine Sciences Institute, University of Connecticut.
- 1050 Effects of acute gamma radiation on the polychaete Nereis virens. Louis P. Maglione, Marine Science Department, C. W. Post Center of Long Island University.
- 1110 24-hour tidal studies of ichthyoplankton in the lower Piscataqua River, a tidally dominated estuarine inlet. Mark Epply and Ken Kimball, Normandeau Associates, Inc.
- 1130 Piscataqua River zooplankton ¹⁹⁷⁷: dominance and community structure. Stephen A. Grabe, Normandeau Associates, Inc.
- 1150 Quantification of zooplankton behaviours by the "Bugwatcher", a new video-computerized analysis system. D. C. Miller, W. Lang, R. Wilson, S. Lawrence, M. Marcy, and J. Pechenik. U.S. EPA Environmental Research Laboratory, Narragansett, Rhode Island.
- 1210 - 1330 LUNCH
- PAPER SESSION: LILLIE AUDITORIUM
CHAIRMAN: SANDY LIBBY, TOWN OF ORLEANS
- 1330 Population dynamics of the Atlantic silverside, Menidia menidia, in a New England estuary. David O. Conover, Department of Zoology, University of Massachusetts.
- MITHDRAWN 1350 Eels in Cape Cod marshes. R. L. Haedrich, P. T. Polloni, and C. M. Cotta, Woods Hole Oceanographic Institution.
- 1410 The use of population and community structure to study fish parasites, their hosts, and their environment. Peter R. Burn, New York Zoological Society.
- 1430 Surface microlayers in the Damariscotta estuary. David Thor Carlson, Ira C. Darling Center, University of Maine.
- 1450 Coffee break
- 1510 The influence of water motion, light, and ammonia concentration on the growth and ammonia uptake rate of Ulva lactuca. Henry Parker, Graduate School of Oceanography, University of Rhode Island.

- 1530 Light intensity and temperature effects on the germination of diatom spores. Jerry Cura, Ira C. Darling Center, University of Maine.
- 1550 Bay scallop aquaculture in New England--some new methods, a few results, and some future directions. Edwin W. Rhodes, NMFS, Northeast (sic) Fisheries Center, Milford, Connecticut.
- 1610 Survival of Mya arenaria (soft-shelled clam) and Placopecten magellanicus (sea scallop) veliger larvae after short-term thermal stress. John Stewart, Ira C. Darling Center, University of Maine.
- 1630 - 1645 Communal bath aboard sunken barge in the Eel Pond (cold salt water, bring your own soap).
- 1800 - 1900 HAPPY HOUR, OPEN BAR: MEIGS ROOM
- 1900 DINNER: SWOPE HALL
- 2100 SPECIAL INTEREST DISCUSSION GROUPS, IF ANY.

SATURDAY, 28 OCTOBER 1978

PAPER SESSION: LILLIE AUDITORIUM
CHAIRMAN: LARRY SPENCER, PLYMOUTH STATE COLLEGE

- 0830 Effects of cadmium on the intracellular pool of acids in Mytilus edulis during osmotic stress. LeBaron R. Briggs 4th, Department of Biology, Northeastern University.
- 0850 Heavy metals in transplanted hard clams, Mercenaria mercenaria, in Great South Bay, New York. William Behrens, The Ecosystem Center, Marine Biological Laboratory.
- 1910 Biological implications of the pesticide Kepone in the James River, Virginia ecosystem. Charles Terrell, Aquatic Protection Branch, Office of Water and Other Hazardous Materials, U.S. EPA.
- 0930 Utilization of tidal salt marshes by the meadow vole, Microtus pennsylvanicus. Penelope Howell, University of Rhode Island.
- 0950 Coffee break
- 1010 Laboratory simulation of open water disposal of dredged material. Stephen H. Greene, JBF Scientific Corp., and Gilbert L. Chase, Army Corps of Engineers.
- 1030 Some speculations based on the distribution patterns of the seastars Asterias vulgaris and Asterias forbesi on the Middle Atlantic Bight between Cape Cod and Cape Hatteras. David R. Franz, Biology Department, Brooklyn College CUNY.

- 1050 The distribution of invertebrates on shallow subtidal rocky substrate.
Luana Read, Normandeau Associates, Inc.
- 1110 Further results from studies on the fouling communities of the
Damariscotta River estuary. Brian Field, Jason M. Cortell and
Associates, Inc.
- 1130 The reproduction cycle of mahogany quahog, Arctica islandica.
Pat Clark, Normandeau Associates, Inc.
- 1150-1158 BUSINESS MEETING. This one will be unusually long because it is
an election meeting, and because we must vote on a
constitutional amendment.

Proposed Amendment to NEERS Constitution. Our constitution now makes it impossible to hold a meeting in the absence of the President. The proposed amendment to the section on Duties of Officers will rectify this.

Present wording:

Duties of Officers:

The President: The President shall preside at all meetings of the membership and of the Executive Committee.

Proposed amendment:

Add to the paragraph above the following sentence:

If the President is unable to preside, the Executive Committee may choose a President pro-tem to conduct the meeting.

This amendment will be discussed and voted on at the business meeting.

Early in 1979, NEERS should submit to the ERF Governing Board a slate of nominees for candidacy to ERF offices. The slate proposed by the Executive Committee is:

For President: Ted Loder, University of New Hampshire

For Vice-President: Barbara Welsh, University of Connecticut

For Secretary: Rich Lutz, University of Maine

For Treasurer: Dave Franz, Brooklyn College

Additional nominations from the floor are strongly encouraged.

Executive committee nominees for NEERS offices are, for President, Bernie McAlice (University of Maine) and Ed Rhodes (NMFS Milford), and for Secretary-Treasurer, Chris Myles (Manchester Community College) and Doug Tolderlund (U.S. Coast Guard Academy). We encourage additional nominations from the floor.